Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application:

1) (currently amended) Filtering device ~~(10)~~ comprising a first bandpass filter ~~(21)~~ having a given central frequency ~~(Fc)~~ and a given bandwidth ~~(B), characterized in that~~ , wherein it comprises:

- a second bandpass filter ~~(22)~~ identical to the first bandpass filter ~~(21)~~, and
- frequency transposition means ~~(23, 24)~~, connected between the first filter ~~(21)~~ and the second filter ~~(22)~~, which transpose the central frequency ~~(Fc)~~ of the first filter to the same central frequency ~~(Fc)~~ while inverting the spectrum around the central frequency ~~(Fc)~~.

2. (currently amended) Device according to Claim 1, ~~characterized in that~~ wherein the transposition means comprise:

- a mixer ~~(23)~~ having two inputs and one output, one of the inputs being connected to an output of the first bandpass filter ~~(21)~~ and the output being connected to an input of the second bandpass filter ~~(22)~~, and
- an oscillator ~~(24)~~ having an output connected to the other input of the mixer ~~(23)~~, the oscillator ~~(24)~~ supplying a signal at a frequency equal to twice the central frequency ~~(Fc)~~ of the first and second bandpass filters ~~(21, 22)~~.

3. (currently amended) Device according to ~~one of the claims, characterized in that~~ Claim 1, wherein the first and second filters ~~(21, 22)~~ are quartz filters.

4. (currently amended) External unit ~~(1)~~ of a signal transmission and reception device comprising an adjustable oscillator ~~(9)~~ which is locked to a received carrier frequency, ~~characterized in that~~ wherein it comprises a filtering device ~~(10)~~ according to ~~one of Claims 1 to 3~~ Claim 1, connected in the locking loop ~~(8, 10, 11, 12)~~ of the adjustable oscillator ~~(9)~~.

5. (currently amended) Method for selectively filtering a signal ~~(Si),~~ ~~characterized in that~~ wherein:

- a first selective filtering is carried out in a given frequency band ~~(B)~~, the said band having a central frequency ~~(Fc)~~, by means of a first asymmetrical filter ~~(21)~~, to obtain a first filtered signal ~~(S1)~~,
- the first filtered signal ~~(S1)~~ is transposed to place an image corresponding to the given frequency band ~~(B)~~ in the same band ~~(B)~~ but with an inverted spectrum with respect to the central frequency ~~(Fc)~~, and
- a second selective filtering is carried out in the given frequency band ~~(B)~~, by means of a second asymmetrical filter ~~(22)~~, to obtain a second filtered signal ~~(So)~~, the second filter ~~(22)~~ being identical to the first filter ~~(21)~~.

6. (currently amended) Method according to Claim 5, ~~characterized in that~~ wherein the transposition is carried out by a mixer ~~(23)~~ which receives a transposition signal whose frequency is equal to twice the central frequency ~~(Fc)~~.